| L | Hits | Search Text | DB | Time stamp |
|----------|------|--|------------------------|---------------------|
| Number 1 | 1 | ("5639441").PN. | USPAT; | 2003/08/06 |
| | | | US-PGPUB | 17:07 |
| 2 | 1 | ("3457949").PN. | USPAT; US-PGPUB | 2003/08/06 |
| _ | 272 | 347/20 and gas\$4 | USPAT; | 2003/08/05 |
| | | • | US-PGPUB; | 09:43 |
| | | | EPO; JPO; DERWENT; | |
| | | | IBM TDB | |
| - | 270 | 347/20 and gas\$4 and (fluid\$2 or liquid\$2 | USPAT; | 2003/04/24 |
| | | or ink\$2) | US-PGPUB; EPO; JPO; | 11:28 |
| | | | DERWENT; | |
| | | | IBM_TDB | |
| - | 152 | 347/20 and (gas\$4 with (fluid\$2 or liquid\$2 or ink\$2)) | USPAT; US-PGPUB; | 2003/04/24 |
| | | IIquiuy2 OI IIIxy2// | EPO; JPO; | 11.40 |
| | | | DERWENT; | |
| _ | 5 | ("4555712" "4734227" "5020774" | IBM_TDB USPAT | 2003/04/24 |
| | | "5178325" "6116718").PN. | | 10:57 |
| - | 1 | 347/20 and gas\$4 and supercritical\$3 | USPAT; | 2003/04/24 |
| | | | US-PGPUB; EPO; JPO; | 11:01 |
| | | | DERWENT; | |
| | | 247/20 and supersuiting 142 | IBM_TDB | 2002/04/04 |
| - | 1 | 347/20 and supercritical\$3 | USPAT; US-PGPUB; | 2003/04/24 11:27 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| _ | 3 | "9919080" | IBM_TDB USPAT; | 2003/04/24 |
| | | | US-PGPUB; | 11:07 |
| | | | EPO; JPO; | |
| | | | DERWENT; IBM TDB | |
| _ | 2 | "11319618" | USPAT; | 2003/04/24 |
| | | | US-PGPUB; EPO; JPO; | 11:08 |
| | | | DERWENT; | |
| ; | | | IBM_TDB | |
| _ | 2 | "6471327" | USPAT; US-PGPUB; | 2003/04/24 11:15 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| _ | 1 | 2003-016836.NRAN. | IBM_TDB DERWENT | 2003/04/24 |
| | • | | | 11:08 |
| - | 1 | 2003-016836.NRAN. | DERWENT | 2003/04/24 |
| _ | 4 | (("4882107") or ("5009367") or | USPAT; | 11:08 2003/04/24 |
| | | ("5988527") or ("5573682")).PN. | US-PGPUB | 11:16 |
| _ | 104 | 347/21 and gas\$4 and (fluid\$2 or liquid\$2 or ink\$2) | USPAT; US-PGPUB; | 2003/04/24 11:19 |
| | | ~~ | EPO; JPO; | 11.13 |
| | | | DERWENT; | |
| _ | 83 | (347/21 and gas\$4 and (fluid\$2 or | IBM_TDB USPAT; | 2003/04/24 |
| | | liquid\$2 or ink\$2)) not (347/20 and | US-PGPUB; | 11:19 |
| | | (gas\$4 with (fluid\$2 or liquid\$2 or | EPO; JPO; | |
| | | ink\$2))) | DERWENT; IBM TDB | |
| - | 3 | 347/21 and supercritical\$3 | USPĀT; | 2003/04/24 |
| | | | US-PGPUB; EPO; JPO; | 11:42 |
| | | | DERWENT; | |
| | | | IBM_TDB | |

Search History

8/6/03 5:53:15 PM

Page 1

EAST Search

| | · · · · · · · · · · · · · · · · · · · | | | |
|---|---------------------------------------|--|---------------------|-------------|
| - | 162 | 347/44 and gas\$4 and (fluid\$2 or liquid\$2 | USPAT; | 2003/04/24 |
| | | or ink\$2) | US-PGPUB; | 11:45 |
| | 1 | · | EPO; JPO; | |
| | | | DERWENT; | |
| 1 | 101 | 1247/44 1 24 1 151 122 1 | IBM_TDB | 2002/04/24 |
| - | 131 | | USPAT; | 2003/04/24 |
| | | liquid\$2 or ink\$2)) not (347/20 and | US-PGPUB; | 11:29 |
| | | (gas\$4 with (fluid\$2 or liquid\$2 or | EPO; JPO; | |
| | | ink\$2))) | DERWENT; | |
| | 104 | //247/44 1 44 2 /51 160 | IBM_TDB | 2002/04/24 |
| - | 124 | | USPAT; | 2003/04/24 |
| | | liquid\$2 or ink\$2)) not (347/20 and | US-PGPUB; | 11:29 |
| | | (gas\$4 with (fluid\$2 or liquid\$2 or ink\$2)))) not (347/21 and gas\$4 and | EPO; JPO; DERWENT; | |
| | | (fluid\$2 or liquid\$2 or ink\$2)) | IBM TDB | |
| _ | 0 | 347/44 and supercritical\$3 | USPAT; | 2003/04/24 |
| | | 347/44 and supercriticallys | US-PGPUB; | 11:43 |
| | | | EPO; JPO; | 11.13 |
| | | | DERWENT; | |
| | | | IBM TDB | |
| _ | 645 | 264/12 and gas\$4 and (fluid\$2 or liquid\$2 | USPAT; | 2003/04/24 |
| | | or ink\$2) | US-PGPUB; | 12:09 |
| | | | EPO; JPO; | |
| | <u> </u> | | DERWENT; | |
| | | | IBM TDB | |
| - | 397 | 264/12 and (gas\$4 with (fluid\$2 or | USPAT; | 2003/04/24 |
| | | liquid\$2 or ink\$2)) | US-PGPUB; | 12:11 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM_TDB | |
| - | 33 | 264/12 and (gas\$4 with (fluid\$2 or | USPAT; | 2003/04/24 |
| | | liquid\$2 or ink\$2)) and supercritical | US-PGPUB; | 11:53 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM_TDB | |
| - | 279 | 264/12 and (gas\$4 with (fluid\$2 or | USPAT; | 2003/04/24 |
| | | liquid\$2 or ink\$2)) and mix\$4 | US-PGPUB; | 11:55 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | 7.0 | 064/10 1 // 11 0 04 11 15 16 16 16 16 16 16 16 16 16 16 16 16 16 | IBM_TDB | 2002/04/24 |
| - | /6 | 264/12 and ((gas\$4 with (fluid\$2 or | USPAT; | 2003/04/24 |
| | | liquid\$2 or ink\$2)) with mix\$4) | US-PGPUB; | 12:04 |
| | | | EPO; JPO; | |
| | | | DERWENT; IBM TDB | |
| | 40 | 264/12 and supercritical | USPAT; | 2003/04/24 |
| | 40 | 203/12 and supercritical | US-PGPUB; | 12:04 |
| | Ī | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM TDB | |
| _ | 27 | (264/12 and supercritical) not (264/12 | USPAT; | 2003/04/24 |
| | [| and ((gas\$4 with (fluid\$2 or liquid\$2 or | US-PGPUB; | 12:05 |
| | | ink\$2)) with mix\$4)) | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM TDB | |
| _ | 662 | 264/13 and gas\$4 and (fluid\$2 or liquid\$2 | USPAT; | 2003/04/24 |
| | | or ink\$2) | US-PGPUB; | 12:53 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM_TDB | |
| - | 415 | 264/13 and (gas\$4 with (fluid\$2 or | USPAT; | 2003/04/24 |
| | | liquid\$2 or ink\$2)) | US-PGPUB; | 12:55 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM_TDB | 0000 (01/01 |
| - | 357 | 264/13 and (gas\$4 with (fluid\$2 or | USPAT; | 2003/04/24 |
| 1 | | liquid\$2 or ink\$2)) and mix\$4 | US-PGPUB; | 12:16 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | <u> </u> | L | IBM_TDB | |

| BEFO, JPO: DERMENT: IBM TDB USPAT: US-PGPUB: USPAT: | _ | 115 | 264/13 and ((gas\$4 with (fluid\$2 or | USPAT; | 2003/04/24 |
|---|------------|-----|--|--|------------|
| B6 | | | liquid\$2 or ink\$2)) with mix\$4) | | 12:33 |
| 188 189 | | | | | |
| - |] | | | | |
| liquids2 or ink82]) with mix84]) not (264/12 and (19a84 with (fluids2 or liquids2 or ink82)) with mix84]) DERWENT; IBM TDB USPAT; | | | | - | |
| | - | 86 | • | • | |
| 1 1 1 1 1 1 1 1 1 1 | | | | | 12:16 |
| Before Company Compa | | | | | |
| - 86 | | | liquid\$2 or ink\$2)) with mix\$4)) | · · | |
| 1.quids2 or ink\$2]) with mix\$4]) not USPACPUB; 12:16 Edd/12 and ((gas54 with (fluids2 or liquid\$2 or ink\$2]) with mix\$4]) not 1.quid\$2 or ink\$2]) and gas\$4 and (fluid\$2 or liquid\$2 or ink\$2]) 1.quid\$2 or ink\$2] 1. | | | | | |
| (264/12 and ((gas94 with (fluids2 or liquids2 or ink\$21)) with mix34)) not (264/12 and supercritical) ((264/12 and ((gas94 with (fluids2 or liquids2 or liquids2 or ink\$21)) with mix34)) not (264/12 and supercritical) not (347/21 and gas94 and (fluids2 or liquids2 or | - | 86 | | · · | - |
| | | | | | 12:16 |
| C(264/12 and supercritical) USPAT; US-PGPUB; EPO; JPO; DERWENT; LBM_TDB USPAT; US-PGPUB; L2:17 USPAT; USPA | | | · · · · · · · · · · · · · · · · · · · | | |
| S | | | | | |
| Liquid\$2 or ink\$2]) with mix\$4) not (264/12 and (gas\$4 with (fluid\$2 or liquid\$2 or liqu | | | I ' | _ | |
| | – | 85 | l i i i i | | |
| | | | | | 12:17 |
| | | | | | |
| and gas\$4 and (fluid\$2 or liquid\$2 or liqu | | | | | |
| B55 ((((264/13 and ((gas\$4 with (fluid\$2 or liquid\$2 or liquid\$2 or link\$2)) with mix\$4)) not (264/12 and supercritical)) not (347/21 lim_TDB and gas\$4 and (fluid\$2 or liquid\$2 or link\$2)) with mix\$4)) not (264/12 and supercritical)) not (347/21 lim_TDB and gas\$4 and (fluid\$2 or liquid\$2 or liquid\$3 or liquid\$2 or liquid\$3 or liquid\$3 or liquid\$3 or liquid\$3 or liquid\$3 or | | | | IBM_TDB | |
| S5 |] | | _ | | |
| liquid\$2 or ink\$2]) with mix\$4)) not | | | | | |
| (264/12 and ((gas\$4 with (fluid\$2 or liquid\$2 or liq | - | 85 | | | |
| liquid\$2 or ink\$2]) with mix\$4]) not (264/12 and gas\$4 and (fluid\$2 or liquid\$2 or ink\$2]) not (347/21 and gas\$4 with (fluid\$2 or liquid\$2 or ink\$2]) USPAT; US | 1 | | _ | US-PGPUB; | 12:17 |
| | | | (264/12 and ((gas\$4 with (fluid\$2 or | EPO; JPO; | |
| and gas\$4 and (fluid\$2 or liquid\$2 or ink\$2)) not (347/20 and (gas\$4 with (fluid\$2 or liquid\$2 or ink\$2))) 264/13 and supercritical - 264/13 and supercritical) not (264/12 | | | _ | | |
| ink\$2) not (347/20 and (gas\$4 with (fluid\$2 or liquid\$2 or ink\$2)) | | | _ | IBM_TDB | |
| Gfluid\$2 or liquid\$2 or ink\$2)) 264/13 and supercritical USPAT; US-FGPUB; EPO; JPO; DERWENT; TEM TDB USPAT; US-FGPUB; and supercritical) Not (264/12 US-FGPUB; EPO; JPO; DERWENT; TEM TDB USPAT; US-FGPUB; TEM TDB USPAT; | | | and gas\$4 and (fluid\$2 or liquid\$2 or | | |
| - 96 264/13 and supercritical USPAT; US-PGPUB; EPO; JPO; DERWENT; IEM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; | | | ink\$2))) not (347/20 and (gas\$4 with | | |
| 12:33 US-PEPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; 12:45 USPAT; US-PGPUB; 12:45 USPAT; US-PGPUB; 12:45 USPAT; US-PGPUB; 13:12 USPAT; US-PGPUB; 13:12 USPAT; USPAT | | | (fluid\$2 or liquid\$2 or ink\$2))) | | |
| To Canal | _ | 96 | 264/13 and supercritical | USPAT; | • |
| - 75 (264/13 and supercritical) not (264/12 and supercritical) DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; | | | | US-PGPUB; | 12:33 |
| TBM_TDB | | | | EPO; JPO; | |
| - 75 (264/13 and supercritical) not (264/12 and supercritical) - 291 264/15 and gas\$4 and (fluid\$2 or liquid\$2 or ink\$2) - 121 264/15 and (gas\$4 with (fluid\$2 or liquid\$2 or liquid\$2 or ink\$2)) - 121 (264/15 and (gas\$4 with (fluid\$2 or liquid\$2 or liquid\$2 or ink\$2)) - 121 (264/15 and (gas\$4 with (fluid\$2 or liquid\$2 or liquid\$2 or ink\$2)) not (264/12 and (gas\$4 with (fluid\$2 or liquid\$2 or liqu | | | | DERWENT; | |
| and supercritical) | | | | IBM_TDB | |
| Popular | _ | 75 | (264/13 and supercritical) not (264/12 | USPAT; | 2003/04/24 |
| - 291 264/15 and gas\$4 and (fluid\$2 or liquid\$2 or liQuid\$2 or ink\$2) - 121 264/15 and (gas\$4 with (fluid\$2 or liQuid\$2 or li | | | and supercritical) | US-PGPUB; | 12:45 |
| TBM_TDB | | | | EPO; JPO; | |
| - 291 264/15 and gas\$4 and (fluid\$2 or liquid\$2 or ink\$2) - 121 264/15 and (gas\$4 with (fluid\$2 or liquid\$2 or liquid\$2 or ink\$2)) - 121 (264/15 and (gas\$4 with (fluid\$2 or liquid\$2 or liquid\$2 or ink\$2)) - 121 (264/15 and (gas\$4 with (fluid\$2 or liquid\$2 | 1 | | | DERWENT; | |
| Or ink\$2) US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; Ink\$2)) and supercritical) DERWENT; IBM TDB USPAT; US-PGPUB; IBM TDB USPAT; US-PGPUB; IBM TDB USPAT; IBM TDB US | | | | IBM_TDB | |
| The content of the | - | 291 | 264/15 and gas\$4 and (fluid\$2 or liquid\$2 | USPAT; | 2003/04/24 |
| DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; (gas\$4 with (fluid\$2 or liquid\$2 or | | | or ink\$2) | US-PGPUB; | 13:12 |
| - 121 264/15 and (gas\$4 with (fluid\$2 or liquid\$2 or ink\$2)) - 121 (264/15 and (gas\$4 with (fluid\$2 or liquid\$2 o | 1 | | | EPO; JPO; | · |
| - 121 264/15 and (gas\$4 with (fluid\$2 or liquid\$2 or ink\$2)) - 121 (264/15 and (gas\$4 with (fluid\$2 or liquid\$2 or liquid\$2 or ink\$2)) not (264/12 and (gas\$4 with (fluid\$2 or liquid\$2 o | ! | | | DERWENT; | |
| liquid\$2 or ink\$2)) | | | | _ | |
| - 121 (264/15 and (gas\$4 with (fluid\$2 or USPAT; 1BM TDB (gas\$4 with (fluid\$2 or ink\$2))) not (264/12 and (gas\$4 with (fluid\$2 or ink\$2)) and supercritical) - 117 ((264/15 and (gas\$4 with (fluid\$2 or ink\$2))) not (264/12 and (gas\$4 with (fluid\$2 or ink\$2)) and supercritical) - ((264/15 and (gas\$4 with (fluid\$2 or ink\$2))) not (264/12 and (gas\$4 with (fluid\$2 or ink\$2)) and supercritical)) not (264/12 and (gas\$4 with (fluid\$2 or inquid\$2 or ink\$2)) and supercritical)) not (264/12 and (gas\$4 with (fluid\$2 or liquid\$2 or ink\$2)) with mix\$4)) - 116 (((264/15 and (gas\$4 with (fluid\$2 or liquid\$2 or ink\$2)) and supercritical)) not (264/12 and (gas\$4 with (fluid\$2 or liquid\$2 or ink\$2)) and supercritical)) not (264/12 and (gas\$4 with (fluid\$2 or liquid\$2 or ink\$2)) and supercritical)) not (264/12 and (gas\$4 with (fluid\$2 or liquid\$2 or ink\$2)) with mix\$4))) not (264/12 and ink\$2)) with mix\$4))) not (264/13 and | - | 121 | | · · | |
| - 121 (264/15 and (gas\$4 with (fluid\$2 or liquid\$2 or ink\$2))) not (264/12 and (gas\$4 with (fluid\$2 or liquid\$2 or ink\$2)) and supercritical) - 117 ((264/15 and (gas\$4 with (fluid\$2 or liquid\$2 or ink\$2))) not (264/12 and (gas\$4 with (fluid\$2 or liquid\$2 or ink\$2))) not (264/12 and (gas\$4 with (fluid\$2 or liquid\$2 or ink\$2)) and supercritical)) not (264/12 and (gas\$4 with (fluid\$2 or liquid\$2 or li | | | liquid\$2 or ink\$2)) | US-PGPUB; | 12:59 |
| - 121 (264/15 and (gas\$4 with (fluid\$2 or liquid\$2 or ink\$2)) not (264/12 and (gas\$4 with (fluid\$2 or liquid\$2 or ink\$2)) and supercritical) - 117 ((264/15 and (gas\$4 with (fluid\$2 or liquid\$2 or l | | | | EPO; JPO; | |
| - 121 (264/15 and (gas\$4 with (fluid\$2 or liquid\$2 or ink\$2))) not (264/12 and (gas\$4 with (fluid\$2 or liquid\$2 or ink\$2)) and supercritical) - 117 ((264/15 and (gas\$4 with (fluid\$2 or liquid\$2 or ink\$2))) not (264/12 and (gas\$4 with (fluid\$2 or liquid\$2 or ink\$2))) not (264/12 and (gas\$4 with (fluid\$2 or liquid\$2 or ink\$2)) and supercritical)) not (264/12 and ((gas\$4 with (fluid\$2 or liquid\$2 or l | | | | DERWENT; | |
| liquid\$2 or ink\$2))) not (264/12 and (gas\$4 with (fluid\$2 or liquid\$2 or ink\$2)) and supercritical) 117 ((264/15 and (gas\$4 with (fluid\$2 or liquid\$2 or liquid\$2 or ink\$2))) not (264/12 and (gas\$4 with (fluid\$2 or liquid\$2 or ink\$2)) and supercritical)) not (264/12 and (gas\$4 with (fluid\$2 or liquid\$2 or | | | | | |
| (gas\$4 with (fluid\$2 or liquid\$2 or liquid | - | 121 | I . | USPAT; | |
| ink\$2)) and supercritical) - 117 ((264/15 and (gas\$4 with (fluid\$2 or liquid\$2 or ink\$2))) not (264/12 and (gas\$4 with (fluid\$2 or liquid\$2 or ink\$2)) and supercritical)) not (264/12 and ((gas\$4 with (fluid\$2 or liquid\$2 or ink\$2)) with mix\$4)) - 116 ((264/15 and (gas\$4 with (fluid\$2 or liquid\$2 or liguid\$2 or ligu | | | _ · · · · · · · · · · · · · · · · · · · | | 12:59 |
| - 117 ((264/15 and (gas\$4 with (fluid\$2 or liquid\$2 or ink\$2))) not (264/12 and (gas\$4 with (fluid\$2 or liquid\$2 or ink\$2)) and supercritical)) not (264/12 and ((gas\$4 with (fluid\$2 or liquid\$2 or l | | | (gas\$4 with (fluid\$2 or liquid\$2 or | EPO; JPO; | |
| - 117 ((264/15 and (gas\$4 with (fluid\$2 or liquid\$2 or ink\$2))) not (264/12 and (gas\$4 with (fluid\$2 or liquid\$2 or ink\$2)) and supercritical)) not (264/12 and ((gas\$4 with (fluid\$2 or liquid\$2 or ink\$2)) with mix\$4)) - 116 (((264/15 and (gas\$4 with (fluid\$2 or liquid\$2 or liquid\$ | | | ink\$2)) and supercritical) | 1 | , |
| liquid\$2 or ink\$2))) not (264/12 and (gas\$4 with (fluid\$2 or liquid\$2 or ink\$2)) and supercritical)) not (264/12 and ((gas\$4 with (fluid\$2 or liquid\$2 or ink\$2)) with mix\$4)) 116 (((264/15 and (gas\$4 with (fluid\$2 or liquid\$2 or liquid\$2 or ink\$2))) not (264/12 and (gas\$4 with (fluid\$2 or liquid\$2 or ink\$2))) not (264/12 and (gas\$4 with (fluid\$2 or liquid\$2 or ink\$2)) and supercritical)) not (264/12 and ((gas\$4 with (fluid\$2 or liquid\$2 or liqui | | | | IBM_TDB | |
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| ink\$2)) and supercritical)) not (264/12 and ((gas\$4 with (fluid\$2 or liquid\$2 or lBM_TDB ink\$2)) with mix\$4)) 116 (((264/15 and (gas\$4 with (fluid\$2 or liquid\$2 | | | l • | US-PGPUB; | 12:59 |
| and ((gas\$4 with (fluid\$2 or liquid\$2 or lBM_TDB ink\$2)) with mix\$4)) 116 (((264/15 and (gas\$4 with (fluid\$2 or liquid\$2 or l | | | _ | | |
| ink\$2)) with mix\$4)) - 116 (((264/15 and (gas\$4 with (fluid\$2 or liquid\$2 or ink\$2))) not (264/12 and (gas\$4 with (fluid\$2 or liquid\$2 or ink\$2)) and supercritical)) not (264/12 and ((gas\$4 with (fluid\$2 or liquid\$2 or li | | | | I The state of the | |
| - 116 (((264/15 and (gas\$4 with (fluid\$2 or liquid\$2 or liquid\$2 or liquid\$2 or gas\$4 with (fluid\$2 or liquid\$2 or | | | | IBM_TDB | |
| liquid\$2 or ink\$2))) not (264/12 and US-PGPUB; 12:59 (gas\$4 with (fluid\$2 or liquid\$2 or ink\$2)) and supercritical)) not (264/12 DERWENT; and ((gas\$4 with (fluid\$2 or liquid\$2 or liquid\$ | | | | | |
| (gas\$4 with (fluid\$2 or liquid\$2 or ink\$2)) and supercritical)) not (264/12 DERWENT; and ((gas\$4 with (fluid\$2 or liquid\$2 or liquid\$2 or limk\$2)) with mix\$4))) not (264/13 and | - | 116 | | · · | |
| ink\$2)) and supercritical)) not (264/12 DERWENT; and ((gas\$4 with (fluid\$2 or liquid\$2 or IBM_TDB ink\$2)) with mix\$4))) not (264/13 and | | · | | | 12:59 |
| and ((gas\$4 with (fluid\$2 or liquid\$2 or IBM_TDB ink\$2)) with mix\$4))) not (264/13 and | | | 1 • | | |
| ink\$2)) with mix\$4))) not (264/13 and | | | | | |
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| | | | ((gas\$4 with (fluid\$2 or liquid\$2 or | | |
| ink\$2)) with mix\$4)) | | | ink\$2)) with mix\$4)) | | |

| - | 116 | ((((264/15 and (gas\$4 with (fluid\$2 or | USPAT; | 2003/04/24 |
|---|----------|---|-----------|--------------|
| | | liquid\$2 or ink\$2))) not (264/12 and | US-PGPUB; | 12:59 |
| | | (gas\$4 with (fluid\$2 or liquid\$2 or | EPO; JPO; | |
| | | ink\$2)) and supercritical)) not (264/12 | DERWENT; | |
| | | and ((gas\$4 with (fluid\$2 or liquid\$2 or | IBM TDB | |
| | | ink\$2)) with mix\$4))) not (264/13 and | | |
| | | ((gas\$4 with (fluid\$2 or liquid\$2 or | | |
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| } | | ink\$2)) with mix\$4))) not (347/20 and | | |
| | | (gas\$4 with (fluid\$2 or liquid\$2 or | | |
| İ | | ink\$2))) | | |
| - | 116 | · · · · · | USPAT; | 2003/04/24 |
| | | liquid\$2 or ink\$2))) not (264/12 and | US-PGPUB; | 13:00 |
| | } | (gas\$4 with (fluid\$2 or liquid\$2 or | EPO; JPO; | |
| | | ink\$2)) and supercritical)) not (264/12 | DERWENT; | |
| | | and ((gas\$4 with (fluid\$2 or liquid\$2 or | IBM TDB | |
| | | ink\$2)) with mix\$4))) not (264/13 and | - | |
| | | ((gas\$4 with (fluid\$2 or liquid\$2 or | | |
| | | ink\$2)) with mix\$4))) not (347/20 and | | |
| | | (gas\$4 with (fluid\$2 or liquid\$2 or | | |
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| | | ink\$2)))) not (347/21 and gas\$4 and | | |
| | _ | (fluid\$2 or liquid\$2 or ink\$2)) | | 0000 (04 (04 |
| _ | 4 | 264/15 and supercritical | USPAT; | 2003/04/24 |
| j | | | US-PGPUB; | 13:12 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM TDB | |
| - | 218 | 347/20 and (mix\$4 with (ink\$2 or | USPAT; | 2003/08/04 |
| | | fluid\$2)) | US-PGPUB | 15:07 |
| _ | 44 | | USPAT; | 2003/08/04 |
| | • | fluid\$2)) and actuat\$4 | US-PGPUB | 15:36 |
| _ | 26 | | USPAT; | 2003/08/04 |
| | 20 | fluid\$2)) and actuat\$4 | US-PGPUB | 15:16 |
| | 17 | | | 2003/08/04 |
| - | 1/ | (347/21 and (mix\$4 with (ink\$2 or | USPAT; | · · · · · |
| | | fluid\$2)) and actuat\$4) not (347/20 and | US-PGPUB | 15:14 |
| | | (mix\$4 with (ink\$2 or fluid\$2)) and | | |
| | | actuat\$4) | | 2002/02/04 |
| - | 33 | 347/44 and (mix\$4 with (ink\$2 or | USPAT; | 2003/08/04 |
| 1 | | fluid\$2)) and actuat\$4 | US-PGPUB | 15:29 |
| _ | 33 | (347/44 and (mix\$4 with (ink\$2 or | USPAT; | 2003/08/04 |
| | | fluid\$2)) and actuat\$4) not (347/21 and | US-PGPUB | 15:29 |
| | | (mix\$4 with (ink\$2 or fluid\$2)) and | | |
| } | | actuat\$4) | | |
| _ | 25 | ((347/44 and (mix\$4 with (ink\$2 or | USPAT; | 2003/08/04 |
| | | fluid\$2)) and actuat\$4) not (347/21 and | US-PGPUB | 15:29 |
| | | (mix\$4 with (ink\$2 or fluid\$2)) and | | |
| | | actuat\$4)) not (347/20 and (mix\$4 with | | |
| | | (ink\$2 or fluid\$2)) and actuat\$4) | | |
| _ | 43 | | USPAT; | 2003/08/04 |
| | | fluid\$2)) and actuat\$4 | US-PGPUB | 15:47 |
| _ | 30 | (347/12 and (mix\$4 with (ink\$2 or | USPAT; | 2003/08/04 |
| | | fluid\$2)) and actuat\$4) not (347/20 and | US-PGPUB | 15:38 |
| | | (mix\$4 with (ink\$2 or fluid\$2)) and | OD FGEOD | 13.30 |
| | | | | |
| | 2.5 | actuat\$4) | IICDAM - | 2002/00/04 |
| - | 36 | | USPAT; | 2003/08/04 |
| | | fluid\$2)) and actuat\$4) not (347/20 and | US-PGPUB | 15:38 |
| | 1 | (mix\$4 with (ink\$2 or fluid\$2)) and | | |
| | | actuat\$4)) not (347/21 and (mix\$4 with | | |
| | | (ink\$2 or fluid\$2)) and actuat\$4) | | |
| - | 32 | (((347/12 and (mix\$4 with (ink\$2 or | USPAT; | 2003/08/04 |
| | | fluid\$2)) and actuat\$4) not (347/20 and | US-PGPUB | 15:38 |
| | | (mix\$4 with (ink\$2 or fluid\$2)) and | | |
| | | actuat\$4)) not (347/21 and (mix\$4 with | | |
| | | (ink\$2 or fluid\$2)) and actuat\$4)) not | 1 | |
| | | (347/44 and (mix\$4 with (ink\$2 or | | |
| } | | fluid\$2)) and actuat\$4) | | |
| _ | 30 | l | USPAT; | 2003/08/04 |
| - | 30 | fluid\$2)) and actuat\$4 | US-PGPUB | 15:50 |
| _ | 27 | | | i |
| _ | " " | (347/13 and (mix\$4 with (ink\$2 or | USPAT; | 2003/08/04 |
| | | fluid\$2)) and actuat\$4) not (347/20 and | US-PGPUB | 15:48 |
| | | (mix\$4 with (ink\$2 or fluid\$2)) and | | |
| | <u> </u> | actuat\$4) | | <u> </u> |
| | | | | |

| fluid\$2) and actuat\$4) not (347/20 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 22 (((347/13 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) | | | | | ·/ |
|--|----------|---------|---|----------|------------|
| (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) (ink\$2 or fluid\$2)) and actuat\$4) - 22 (((347/13 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) not (347/20 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not (347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not (347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not (347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) not (347/20 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not (347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not (347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not (347/12 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) not (347/12 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 101 347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 93 (347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 93 (347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 94 ((347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 101 347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 101 347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 101 347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 101 347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 101 347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 101 347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 101 347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 101 347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 101 347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 101 347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 101 347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 101 347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 101 347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 101 347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 101 347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 101 347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) | ļ | | ((347/13 and (mix\$4 with (ink\$2 or | USPAT; | 2003/08/04 |
| actuat\$41) not (347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 22 (((347/13 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) not (347/20 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not (347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not (347/44 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) - 10 ((((347/13 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not (347/20 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not (347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not (347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not (347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 101 347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 93 (347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 93 (347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - (347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - (347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - (347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - (347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - (347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - (347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - (347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - (347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - (347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - (347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - (347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - (347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - (347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - (347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - (347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - (347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - (347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - (347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) | ı | | | US-PGPUB | 15:48 |
| (ink\$2 or fluid\$2)) and actuat\$4) ((347/13 and (mix\$4 with (ink\$2 or fluid\$2)) and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not (347/20 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not (347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) 10 ((((347/13 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not (347/20 and (mix\$4 with (ink\$2) or fluid\$2)) and actuat\$4)) not (347/20 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not (347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not (347/12 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not (347/12 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) 101 347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) 103 347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) 104 (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) 105 (347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) 106 (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) 107 (347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) 108 ((347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) 109 ((347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) 100 (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) 101 (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) 102 (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) 103 (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) 104 (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) 105 (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) 107 (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) 108 (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) 109 (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) 100 (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) 101 (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) 102 (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) 103 (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) 104 (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) 105 (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) 107 (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) 108 (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) 109 (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) | | I ' | | | |
| - | | 8 | actuat\$4)) not (347/21 and (mix\$4 with | | |
| fluid\$2)) and actuat\$4) not (347/20 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not (347/21 and mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not (347/44 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) 10 ((((347/13 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not (347/20 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not (347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not (347/44 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not (347/44 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not (347/12 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) 101 347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) 103 347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) 104 (347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) 105 (347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) 106 (347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) 107 (347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) 108 (((347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) 109 (((347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) 100 ((((347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) 101 ((((((((((((((((((((((((((((((((((| | (| (ink\$2 or fluid\$2)) and actuat\$4) | | |
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| (ink\$2 or fluid\$2)) and actuat\$4)) not (347/44 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) ((((347/13 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) not (347/20 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not (347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not (347/44 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not (347/12 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 101 347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4 - 93 (347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4 - 94 (347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) not (347/20 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 89 ((347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) not (347/20 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 85 ((347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 85 ((347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) not (347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not (347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 85 ((347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) not (347/20 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not (347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 101 347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 102 347/25 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 103 347/25 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 104 347/25 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 105 347/25 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 105 347/25 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 106 347/26 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 107 347/20 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 108 347/26 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 109 347/26 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 109 347/26 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) | | (| (mix\$4 with (ink\$2 or fluid\$2)) and | | |
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| actuat\$4)) not (347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not (347/44 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not (347/12 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 101 347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 93 (347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 101 347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) not (347/20 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 101 347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 101 347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 102 347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 103 347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 103 347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 104 347/20 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 105 347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 106 347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 107 347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 108 347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 109 347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 109 347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 100 347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 100 347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) | | f | Fluid\$2)) and actuat\$4) not (347/20 and | US-PGPUB | 15:48 |
| actuat\$4)) not (347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not (347/44 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not (347/12 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 101 347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 93 (347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 101 347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) not (347/20 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 101 347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 101 347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 102 347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 103 347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 103 347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 104 347/20 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 105 347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 106 347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 107 347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 108 347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 109 347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 109 347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 100 347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 100 347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) | | | (mix\$4 with (ink\$2 or fluid\$2)) and | | |
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| - 93 (347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) not (347/20 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 89 ((347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 89 ((347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) not (347/20 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 85 (((347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) (((347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) not (347/20 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not (347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not (347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not | ' | | | | i ' |
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| - 89 ((347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) not (347/20 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not (347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) (((347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) ((ink\$2 or fluid\$2)) and actuat\$4) not (347/20 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not (347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not | | | | | 10.00 |
| - 89 ((347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) not (347/20 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not (347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 85 (((347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) not (347/20 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) not (347/20 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not (347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not | | | | | |
| fluid\$2)) and actuat\$4) not (347/20 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not (347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 85 (((347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) not (347/20 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not (347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not | | | • • | IISDAT. | 2003/08/04 |
| (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not (347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 85 (((347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) not (347/20 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not (347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not | | | | | |
| actuat\$4)) not (347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) - 85 (((347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) not (347/20 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not (347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not | | | | US-FGFUB | 13.31 |
| (ink\$2 or fluid\$2)) and actuat\$4) - 85 (((347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) not (347/20 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not (347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and (ink\$2 or fluid\$2)) and actuat\$4)) not | | | | | |
| - 85 (((347/15 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4) not (347/20 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not (347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not | | | | | |
| fluid\$2)) and actuat\$4) not (347/20 and US-PGPUB 15:51 (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not (347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not | | | • | IICDAT. | 2003/08/04 |
| (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not (347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not | | | | · · | 1 |
| actuat\$4)) not (347/21 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not | | I . | | US-FGFUB | 13.31 |
| (ink\$2 or fluid\$2)) and actuat\$4)) not | | | • | | |
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| $1 \qquad 1 \qquad$ | <u> </u> | 1 | • | | |
| (347/44 and (mix\$4 with (ink\$2 or | • | | | | |
| fluid\$2)) and actuat\$4) - 71 ((((347/15 and (mix\$4 with (ink\$2 or USPAT; 2003/08/04 | | • | • • • | HCDAT. | 2002/09/04 |
| | | | | 1 | · · · |
| 1 | | | · | US-PGPUB | 15:51 |
| (mix\$4 with (ink\$2 or fluid\$2)) and | | , | | | · |
| actuat\$4)) not (347/21 and (mix\$4 with | | i | | | |
| (ink\$2 or fluid\$2)) and actuat\$4)) not | | | • | | |
| (347/44 and (mix\$4 with (ink\$2 or fluid\$2)) and actuat\$4)) not (347/12 and | | | • | | |
| fluid\$2)) and actuat\$4)) not (347/12 and | | | | | |
| (mix\$4 with (ink\$2 or fluid\$2)) and | | | | | |
| actuat\$4) 66 ////247/15 and /miv\$4 with /ink\$2 on USDATE 2003/09/04 | | | • • | HCDAM. | 2002/09/04 |
| - 66 (((((347/15 and (mix\$4 with (ink\$2 or USPAT; 2003/08/04 | | | , , , , | · · | · · · · |
| fluid\$2)) and actuat\$4) not (347/20 and US-PGPUB 16:26 | | | | 02-LGLOR | 10:20 |
| (mix\$4 with (ink\$2 or fluid\$2)) and | | | • | | |
| actuat\$4)) not (347/21 and (mix\$4 with | | | | | |
| (ink\$2 or fluid\$2)) and actuat\$4)) not | | | • | | , |
| (347/44 and (mix\$4 with (ink\$2 or | | | · | | |
| fluid\$2)) and actuat\$4)) not (347/12 and | | | | | |
| (mix\$4 with (ink\$2 or fluid\$2)) and | | | | | |
| actuat\$4)) not (347/13 and (mix\$4 with | | | | 1 | |
| (ink\$2 or fluid\$2)) and actuat\$4) | | | | | 0000/00/00 |
| - 800 347/85 and valve\$2 USPAT; 2003/08/04 | | 800 3 | 34//85 and valve\$2 | | |
| US-PGPUB 17:39 | | | 249/05 | | |
| - 43 347/85 and (solenoid adj valve\$2) USPAT; 2003/08/04 | | 43 3 | 34//85 and (solenoid adj valve\$2) | | |
| US-PGPUB 16:50 | | | | | |
| - 4 (("3457949") or ("4524724") or USPAT; 2003/08/04 | | I | | · · | i i |
| ("5646664") or ("4070001")).PN. US-PGPUB 16:51 | | | · | | |
| - 9 347/85 and (valve\$2 with (micron\$2 or USPAT; 2003/08/04 | i | 1 | · | · | |
| micrometer\$2 or micrometre\$2 or "um")) US-PGPUB 17:41 | l | ir | micrometer\$2 or micrometre\$2 or "um")) | US-PGPUB | 17:41 |
| - 1 ("5949456").PN. USPAT; 2003/08/05 | | 1 | 1 4 5 6 4 6 4 6 4 7 7 7 | | |
| US-PGPUB 09:49 | | 1 | ("5949456").PN. | · · | • |

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|----|--------------|---|------------------------------------|-----------------------|
| ,- | 0 | 347/85 and ((solenoid adj valve\$2) with frequenc\$4) | USPAT; US-PGPUB; EPO; JPO; | 2003/08/05 10:09 |
| | | | DERWENT; IBM_TDB | |
| - | 2 | 347/85 and ((solenoid adj valve\$2) same frequenc\$4) | USPAT; US-PGPUB; EPO; JPO; | 2003/08/06 13:58 |
| | | | DERWENT; IBM_TDB | |
| _ | 34 | 347/85 and (solenoid with actuat\$4) | USPAT; US-PGPUB; EPO; JPO; | 2003/08/05 |
| | 10 | 247/95 and //galancid add and and arch | DERWENT; IBM_TDB | 2002/00/06 |
| _ | 12 | 347/85 and ((solenoid adj valve\$2) with position\$4) | USPAT; US-PGPUB; EPO; JPO; | 2003/08/06 14:06 |
| | ۵ | 347/\$ and (dither with printhead) | DERWENT; IBM_TDB USPAT; | 2003/08/06 |
| | | 347/3 and (dither with printhead) | US-PGPUB; EPO; JPO; | 14:12 |
| | 1 | 400/\$ and (dither with printhead) | DERWENT; IBM_TDB USPAT; | 2003/08/06 |
| | | · · · · · · · · · · · · · · · · · · · | US-PGPUB; EPO; JPO; | 14:13 |
| _ | 12 | dither with printhead | DERWENT; IBM_TDB USPAT; | 2003/08/06 |
| | | | US-PGPUB; EPO; JPO; DERWENT; | 14:13 |
| _ | 3 | (dither with printhead) not (347/\$ and | IBM_TDB USPAT; | 2003/08/06 |
| | | (dither with printhead)) | US-PGPUB; EPO; JPO; DERWENT; | 14:13 |
| _ | 3 | ((dither with printhead) not (347/\$ and (dither with printhead))) not (400/\$ and | IBM_TDB USPAT; US-PGPUB; | 2003/08/06 14:13 |
| | | (dither with printhead)) (dither with printhead)) | EPO; JPO; DERWENT; | 14.13 |
| _ | 1 | 347/85 and (solenoid adj valve\$2) same (position with actuat\$4) | IBM_TDB USPAT; US-PGPUB; | 2003/08/06 |
| | | | EPO; JPO; DERWENT; | |
| _ | 63 | 347/85 and (solenoid adj valve\$2) | IBM_TDB USPAT; US-PGPUB; | 2003/08/06 15:38 |
| | | | EPO; JPO; DERWENT; IBM TDB | |
| - | 0 | 347/\$ with (printhead with fixed) and ((receiver or paper or media) with mov\$5) | USPĀT; US-PGPUB; | 2003/08/06 14:34 |
| | | | EPO; JPO; DERWENT; IBM_TDB | |
| - | 0 | 347/\$ with ((receiver or paper or media) with mov\$5) | USPĀT; US-PGPUB; EPO; JPO; | 2003/08/06 14:29 |
| | 30.4 | 247/0 3 / 1 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 | DERWENT; IBM_TDB | |
| - | 734 | 347/\$ and (printhead with (fix\$4 or stationary)) and ((receiver or paper or media) with mov\$5) | USPAT; US-PGPUB; EPO; JPO; | 2003/08/06 14:39 |
| | | | DERWENT; IBM TDB | -X- |

| _ | 708 | 347/\$.ccls. and (printhead with (fix\$4 or | USPAT; | 2003/08/06 |
|--------------|-----|---|-----------|------------|
| | | stationary)) and ((receiver or paper or | US-PGPUB; | 14:43 |
| | | media) with mov\$5) | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM_TDB | <i>.</i> |
| _ | 80 | 347/\$.ccls. and (printhead with (fix\$4 or | USPAT; | 2003/08/06 |
| | | stationary)) with ((receiver or paper or | US-PGPUB; | 14:57 |
| | | media) with mov\$5) | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM_TDB | |
| - | 26 | 347/\$.ccls. and (stationary adj | USPAT; | 2003/08/06 |
| | | (printhead\$2 or head\$2)) with ((receiver | US-PGPUB; | 15:03 |
| | | or paper or media) with mov\$5) | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM_TDB | |
| - | 0 | 347/\$.ccls. and (printhead with (fix\$4 or | USPAT; | 2003/08/06 |
| | | stationary)) with ((receiver or paper or | US-PGPUB; | 15:01· |
| | | media) with mov\$5 with (("x" and "y") | EPO; JPO; | |
| | | with direction\$2)) | DERWENT; | |
| | | | IBM TDB | |
| _ | 0 | 347/\$.ccls. and (printhead with (fix\$4 or | USPAT; | 2003/08/06 |
| | | stationary)) with ((receiver or paper or | US-PGPUB; | 15:01 |
| | | media) with mov\$5 with orthogonal) | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM TDB | |
| - | 15 | 347/\$.ccls. and (printhead with (fix\$4 or | USPAT; | 2003/08/06 |
| | | stationary)) with ((receiver or paper or | US-PGPUB; | 15:01 |
| | | media) with mov\$5 with direction\$2) | EPO; JPO; | _ |
| | | | DERWENT; | |
| | | | IBM TDB | |
| _ | 35 | (stationary adj (printhead\$2 or head\$2)) | USPAT; | 2003/08/06 |
| | | with ((receiver or paper or media) with | US-PGPUB; | 15:04 |
| | | mov\$5) | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM TDB | |
| l – | 34 | 347/85 and (solenoid with actuat\$4) | USPAT; | 2003/08/06 |
| | | | US-PGPUB; | 16:44 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM TDB | · |